

ABSTRACT OF THE DISCLOSURE

METHOD TO VERIFY THE EFFICIENCY OF ANTI-JAMMING FOR A
5 COMMUNICATIONS SYSTEM

A method for the verification of anti-jamming in a communications system comprises several sensors or adaptive antennas, comprising at least the following steps :

- 10 • estimating the mean power $\hat{\pi}_y$ of the output of the communications system,
 • estimating the respective power values P_u or $P'u$, of a station u , the antenna noise
 P_a or $P'a$, the thermal noise P_T , or $P'T$,
 • estimating at least one of the following ratios :

$$J_{tot}/S_{tot} = \left(\sum_{p=1}^P P_p \right) / \left(\sum_{u=1}^U P_u \right)$$

$$15 \quad J_{tot}/S_u = \left(\sum_{p=1}^P P_p \right) / P_u$$

$$J_u/S_u = \left(\sum_{p=1}^P P_{pu} \right) / P_u$$

- comparing at least one of the three ratios with a threshold value.